

ABSTRACT

A chain drive for pivot chains (7) or round link chains (8) having spur gears (2) and a polygonal chain wheel (10) reduces variations in velocity and acceleration transferred to the chains (7), (8). The driven gear wheel (3a) and the driving gear wheel (4a) consist of noncircular gear wheels having a set gear ratio adjustment so that the driving gear wheel (4a) is put in such a position to the driven gear wheel (3a) so that the slowest angular velocity coincides with the corners (29a) of the polygon of the chain wheel (10) and the fastest angular velocity occurs at the middle of the polygon straight lines (29b) of the chain wheel.

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